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# REPRESENTING AND MANIPULATING CORRELITHM OBJECTS USING QUANTUM OBJECTS

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## ABSTRACT OF THE DISCLOSURE

Performing operations using quantum correlithm objects includes establishing real states, where each real state comprises an element of a real space, and encoding the real states as quantum objects representing a correlithm object. The correlithm object is projected to the real space using a measurement basis, and measurement values corresponding to the measurement basis are determined. The projected correlithm object is retrieved according to the measurement values.